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AN - 1974-78146V [45]

CPY - MITG

DC - M25

FS - CPI

IC - C22B1/02 ; C22B5/10 ; C22B15/00

MC - M25-A02 M25-G08

PA - (MITG ) MITSUI MINING & SMELTING CO

PN - JP49035220 A 19740410 DW197445 000pp

- JP52033571B B 19770829 DW197738 000pp

PR - JP19720077632 19720804

XIC - C22B-001/02 ; C22B-005/10 ; C22B-015/00

AB - J49035220 A segregation Cu conc. is decarbonized by roasting to <10% C and melted by heating to yield metallic Cu. In an example, a segregation Cu conc. (2000g, Cu 51.0, Fe 2.40, and C 29.0%) was roasted at 700 degrees for 2 hr. in a rotary kiln to yield a roasted ore (1550g, Cu 65.7 Fe 3.09 and C 6.2%). The roasted ore (1000g) was mixed with B2O3 (30g), and heated to 1200 degrees to yield metallic Cu (675g, Cu 97.2 and Fe 1.40%) and a slag (283g, Cu 0.28 and Fe 7.55%).

IW - COPPER CONCENTRATE TREAT SEGREGATE PROCESS FLOTATION MELT METALLIC COPPER

IKW - COPPER CONCENTRATE TREAT SEGREGATE PROCESS FLOTATION MELT METALLIC COPPER

NC - 001

OPD - 1972-08-04

ORD - 1974-04-10

PAW - (MITG ) MITSUI MINING & SMELTING CO

TI - Copper concentrates treatment - from segregation process by flotation and melting to give metallic copper